From: R6HarveyENVL
To: R6HarveyInfo
Subject: FW: M6H1 Harvey - Environmental Report from the TAGA
Date: Sunday, September 10, 2017 5:59:58 PM

From: R6HarveyENVL
Sent: Sunday, September 10, 2017 5:59:57 PM (UTC-06:00) Central Time (US & Canada)
To: R6HarveyPSC; R6HarveySITL
Cc: R6HarveyENVL; Charters, David; Rauscher, Jon; Newhart, Gary; Turner, Philip; Kudarauskas, Paul; Bhattacharya, Dipanjana
Subject: M6H1 Harvey - Environmental Report from the TAGA

Sunday, 09/10/2017

The Environmental Response Team's (ERT's) mobile laboratory, using the Trace Atmospheric Gas Analyzer (TAGA) tandem mass spectrometer system, monitored the neighborhood adjacent to the Valero Refinery, the Pasadena Refinery and the Kinder Morgan Refinery in Houston. All air monitoring today indicated that the TAGA-specific analytes where below the TCEQ screening level (short-term Air Monitoring Comparison Value (AMCV). The wind was from the NNE today.

Substance	CAS #	TAGA detection limit (ppbv)	Short-term AMCV Health (ppbv)	Short-term AMCV Health (µg/m3)
1,1,1-trichloroethane	71-55-6	1	1700	9500
1,1-dichloroethane	75-34-3	1	1000	4000
1,1-dichloroethylene	75-35-4	1	180	710
benzene	71-43-2	1	180	580
ethylbenzene	100-41-4	1	20000	86000
m/p-xylene	179601-23-1	1	1700	7400
methyl tert-butyl ether	1634-04-4	1	500	1800
o-xylene	95-47-6	1	1700	7400
tetrachloroethylene	127-18-4	1	1000	6800
toluene	108-88-3	1	4000	15000
trichloroethylene	79-01-6	1	100	540

What's an AMCV?

AMCV is a collective term used to describe chemical-specific air concentrations used to evaluate air monitoring data that are set to protect human health and welfare. Short-term AMCVs are based on data concerning acute health effects. AMCVs may contain

health-based Reference Values (ReVs) and health- and welfare-based ESL values.

AMCVs are screening levels used in TCEQ's evaluation of ambient air monitoring data to assess the potential for measured concentrations of specific chemicals to cause health or welfare effects. Health-based AMCVs are levels at which exposure is unlikely to result in adverse health effects.